ELEFANT, Emerich, MUDr.; TOSOVSKY, Vaclav, MUDr.; FAFLOVA, Helena, MUDr.

Meconium ileus. Cesk. pediat. 11 no.4:281-287 Apr 56.

1. Z III. detske kliniky Karlovy university-prednosta doc. MUDr. Otto Vychyt z oddeleni detske a orthopedicke chirurgie Detske fakultni nemocnice v Praze, prednosta doc. MUDr. Vaclav Tosovsky.
(INTESTINAL OBSTRUCTION, in infant and child, meconium ileus. (Cz))

PAFLOVA, Helena

HLADIK, Miroslav; PAFLOVA, Helena

Intramuscular & intravenous urography in pediatrics with 50 diodone (synfarma). Cesk. pediat. 13 no.3:239-241 5 Apr 58.

1. Rentfenove a urologicke oddeleni detske chirurgicke kliniky, prednosta V. Kafka.

(URINARY TRACT, radiography
contrast medium, iodopyracet in child., intramusc. & intravenous admin. (Cz))

(CONTRAST MEDIA
iodopyracet in intramusc. or intravenous urography in child. (Cz))

HLADIK, Miroslav; PALECEK, Leopold; PAFLOVA, Helena

The importance of control urography in Wilms' tumor after the preoperative irradiation. Cesk.rentg.14 no.4:246-252 Ag'60.

1. Detska chirurgicka klinika pediatricke fakulty KU v Praze, prednosta doc. MUDr. V. Kafka. Radiologicka klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. MUDr. V. Svab.
(NEPHROBLASTOMA radiogr)

FAFLOVA, Helena; KAFKA, Vaclav

Infravesical obstruction. Acta univ. carol. [med.] 7 no.5:573-582 '61.

1. Klinika pediatricke chirurgie fakulty detskeho lekarstvi University Karlovy, prednosta prof. MUDr. V. Kafka, Dr Sc.
(BLADDER abnorm) (URINARY TRACT INFECTIONS in inf & child)

KAFKA, V.; FAFLOVA, H.; HLADIK, M.

Diagnosis of infravesical obstruction in children. Acta univ. carol. [med.] 7 no.5:583-597 '61.

1. Klinika pediatricke chirurgie fakulty detskeho lekarstvi University Karlovy v Praze, prednosta prof. MUDr. V. Kafka, Dr Sc.
(BLADDER abnorm) (UROLOGY in inf & child)

FAFLOVA, Helena; APLTAUROVA, Bozena; KOUTECKY, Josef

Our experiences with examination of residual urine in children.
Cas lek. cesk. 101 no.19:592-598 11 My '62.

1. Klinika detske chirurgie fakulty detskeho lekarstvi KU v Praze, prednosta prof. dr. V.Kafka, DrSc.
(UROLOGY in inf & child) (URINE chemistry)

HOLANOVA, L.; KLOMINEK, J.; FAFLOVA, H.

Peptic ulcer in Meckel's diverticulum in a 14-year-old boy treated with corticoids. Cesk. pediat. 19 no.6:526-527 Je'64

1. III. detska klinika fakulty vseobecneho lekarstvi KU [Karlovy university] v Praze (prednosta: prof. dr. O. Vychytil) a Chirurgicka klinika fakulty detskeho lekrastvi KU [Karlovy university] v Praze (prednosta: prof. dr. V.Kafka).

FAFLOVA, H.; KAFKA, V.; BEDNARIK, T.

Removal of kidney calculi by the Dees method. Experimental study. Rozhl. chir. 43 no.9:628-632 S '64.

1. Klinika detske chirurgie fakulty detskeho lekarstvi Karlovy University v Praze (predrosta prof. dr. V. Kafka, DrSc) a Ustav hematologie a krevni transfuze v Praze (reditel prof. dr. J. Horejsi, DrSc.).

PAFLOVA-CHALUPOVA, E.; HAJNY, J.

Result of local application of antibiotics on secondary flora in empyemas due to mixed infection. Bratisl. lek. listy 34 no.1: 29-34 Ja '54.

1. Z II Interneho oddelenia (prim. dr. P. Michler) a z laboratorneho oddelenia (prim. dr. V.P.Kurti) liecebne pre tbc, Vysne Hagy)

(ANTIBIOTICS, therapeutic use,
*empyema, pleural, eff. of local admin. on secondary flora)
(EMPYEMA, PLEURAL, therapy,
*antibiotics, eff. of local admin. on secondary flora)

BROMAN, Stanislaw; PAFROWICZ, Biruta

Combined therapy of pulmonary tuberculosis with streptomycin and nicotinic acid hydrazide. Polski tygod. lek. 10 no.6:175-178 7 Feb 55.

1. Z kliniki gruzlicy pluc A.M. w Bialymstoku; kier. prof. med. T.Kielanowski.

(TUBERCULOSIS, PULMONARY, therapy
streptomycin with isoniazid)
(NICOTINIC ACID ISOMERS, ther. use
isoniazid in pulm. tuberc., with streptomycin)
(STREPTOMYCIN, ther. use
pulm. tuberc., with isoniazid)

KIELANOWSKI, T.; BROKMAN, S.; DOWGIRD, A.; WAFROWICZ, B.

Five years at the Phthisological Hospital of the Academy of Medicine at Bialystok. Gruzlica 25 no.3:251-253 Mar 57.
(TUBERCULOSIS, PULMONARY, statist.
hosp. statist. (Pol))

GARNUSZEWSKI, Zbigniew; FAFROWICZ, Biruta; KISIERLEWICZ, Jozef (Szczecin)

Effect of adreno-pituitary hormones on tuberculin allergy. Gruzlica 29 no.1:66-68 Ja '61.

(CORTICOTROPINE pharmacol)
(ADRENAL CORTEX HORMONES pharmacol)
(TUBERCULIN REACTION pharmacol)

FAFROWICZ, Biruta; NIEZABITOWSKI, Kazimierz

Bronchial cancer co-existing with pulmonary tuberculosis. Roczn. pom. akad. med. Swierczewski. 8:351-361 '62.

1. Z Kliniki Ftyzjatrycznej Pomorskiej Akademii Medycznej Kierownik: prof. dr med. Zbigniew Garnuszewski i Zakladu Radiologii Pomorskiej Akademii Medycznej Kierownik: prof. dr n. med. Czeslaw Murczynski.
(TUBERCULOSIS PULMONARY) (BRONCHIAL NEOPLASMS)

FAFROWICZOWA, Biruta; STACHYRA, Euzebiusz

Periarteritis nodosa in a patient with pulmonary tuberculosis.
Gruzlica 30 no.11:1051-1054 '62.

1. Z Kliniki Ftizjatrycznej PAM w Szczecinie Kierownik: prof. dr med. Z. Garnuszewski i z Zakladu Anatomii Patologicznej Wojewodzkiego Szpitala Zakaznego w Szczecinie Kierownik: doc. dr med. K. Dominiczak.
(TUBERCULOSIS PULMONARY) (PERIARTERITIS NODOSA)

FAFROWICZ, Biruta

Peritoneal lymph node tuberculosis. Gruzlica 31 no.11:1149-1152 N '63.

1. Z Kliniki Ftyzjatrycznej PAM, w Szczecinie. Kierownik: prof. dr med. Z. Garnuszewski.

KLINKE, Romuald; KAMYSZEW, Antoni; FAFROWICZ, Biruta

On the effect of streptomycin and dihydrostreptomycin on chronaxy of the rabbit ear labyrinth. Roczn. Pom. akad. med. Swierczewski 10:217-235 '64.

1. Z Zakladu Fizjologii Pomorskiej Akademii Medycznej (Kierownik: prof. dr Eugeniusz Mietkiewski) i z Kliniki Ftyzjatrycznej Pomorskiej Akademii Medycznej (Kierownik: prof. dr Zbigniew Garnuszewski).

BASHKOV, M.I., inzh.; FAFURDINOV, Z.G., inzh.

Efficiency of research on the overall mechanization and automation of industrial processes in mines. Ugol' 40 no.2:35-36 F '65.
(MIRA 18:4)

1. Luganskiy filial Gosudarstvennogo proyektno-konstruktorskogo instituta avtomatizatsii rabot v ugol'noy promyshlennosti.

FAFURIN, N.

Eliminate shortcomings in commercial operations. Mor.flot 26 no.1:9-11 Ja '66.

(MIRA 19:1)

1. Ispolnyayushchiy obyazannosti pomoshchnika nachal'nika Baltiyskogo parokhodstva po valyutnym i ekonomicheskim voprosam.

FAFURIN, N. A. (Capt.)

"Propeller Stream and Maneuverability of the Ship," 1952

Book D-229923, 29 Mar 55

POKIDKO, Nikolay Maksimovich; PAFURIN, Nikolay Andreyevich; FEL'DBAUM, S.S., redaktor; SEMENOVA, M.M., redaktor; TIKHONOVA, Ye.A., tekhnicheskiy redaktor.

[Transporting lumber by sea] Perevozka lesa morem. Moskva, Izd-vo "Morskoi transport", 1956. 69 p. (MLRA 9:5)
(Lumber--Transportation)

FAFURIN, N., Kapitan dal'nego plavaniya.

Calculating the anchorage time of a vessel carrying cargoes for foreign trade. Mor. flot 16 no.7:12-15 Jl '56. (MLRA 9:11)

1. Leningradskoye glavmoragentstvo "Inflot."
(Cargo handling)

FAFURIN, N.

For better utilization of ships loading capacity in transporting lumber cargoes. Mor. flot 18 no. 6:6-7 Je '58. (MIRA 11:7)

1. Nachal'nik Leningradskogo Glavmoreagentstva "Inflot."
(Ships--Cargo)
(Stowage)
(Lumber--Transportation)

FAFURIN, Nikolay Andreyevich; VOROB'YEV, F.I., spetsred.; KAMENEV, N.P., red.izd-va; KOTLYAKOVA, O.I., tekhred.

[Transportation of export lumber on freighters] Perevozka eksportnykh lesomaterialov na morskikh sudakh. Leningrad, Izd-vo "Morskoi transport," 1959. 195 p. (MIRA 12:7)
(Lumber--Transportation)

FAFURIN, N.; SHUSTOV, I., inzh., kapitan dal'nego plavaniya

Auxiliary bridle used in towing. Mor.flot 19 no.3:39-41 Mr '59. (MIRA 12:4)

1. Nachal'nik Leningradskogo glavmoragentstva "Inflot" (for Fafurin).

(Towing--Equipment and supplies)

FAFURIN, N.

Regulate the paperwork needed for export cargoes delivered to carrier ships. Mor. flot 22 no.5:3-5 My '62. (MIRA 15:5)

1. Nachal'nik kommercheskogo otdela Baltiyskogo parokhodstva.
(Russia--Commerce) (Bills of lading)

OBERG, Rudol'f K. ...l'kovich; FAFURIN, Nikolay Andreyevich, kapitan ...l'nogo plavaniya, TIKHONOVA, Ye.A., tekhn. red.

[Commercial practice in foreign navigation] Kommercheskaia praktika zagranichnogo plavaniia. Moskva, "Morskoi transport," 1963. 294 p. (MIRA 17:1)

1. Sotrudnik-korrespondent TSentral'nogo nauchno-issledovatel'skogo instituta morskogo flota (for Oberg).
(Merchant marine--Handbooks, manuals, etc.)

FAFURIN, N.A.

Results of the Regional Conference of Cargo and Management Officers of the Baltic State Merchant Marine. Inform. sbor. TSNIIMF no.110 Mor. pravo i prak. no.23:80-85 '63. (MIRA 18:9)

1. Nachal'nik kommercheskogo otdela Baltiyskogo gosudarstvennogo morskogo parokhodstva.

FAFURIN, N.

Performance of ships chartered by a Swedish firm. Mor. flot. 24 no.8:45 Ag '64. (MIRA 18:9)

1. Nachal'nik kommercheskogo otdela Baltiyskogo parokhodstva.

FAFURIN, N.

Improve the commerical operation of the fleet. Mor. flot 24 no.12:9 D '64. (MIRA 18:8)

1. Nachal'nik kommercheskogo otdela Baltiyskogo parokhodstva.

FAFURIN, Ye.N.

Formation of motor habits in skiing. Sbor. stud. nauch. rab. Nauch. stud. ob-va IAr. gos. ped. inst. no.3:96-103 '59. (MIRA 14:7)

1. Nauchnyy rukovoditel' starshiy prepodavatel' A.V. Shlyupikova.
(Skis and skiing)

ZAYDEL', A.N.; FAFURINA, E.N.; YAKIMOVA, P.P.; YAKOVLEVA, S.S.

Spectral determination of rare earth elements extracted from minerals and ores. Vest. LGU 15 no.4:48-59 '60. (MIRA 13:2)
(Rare earths--Spectra)
(Yttrium--Spectra)

KUKHARENKO, A.A.; FAPLINA, E.N.; YAKIMOV, I.P.; YAKOVLEV, A.A.

Geochemistry of rare-earth elements in the alkali-ultrabasic rocks of the Kola Peninsula and Karelia. Min. i geokhim. no.1:211-236 '64. (MIRA 18:9)

FAGARACI, Zeljko, ins.

Some experiences in the remote control of transformer stations. Elektroprivreda 15 no.11/12:536-540 N-D '62.

1. Preduzece za distribuciju elektricne energije, Beograd.

FEGERESHANU, Ion [Fagarasanu, Ion] (Bukharest)

Review of the achievements of Rumanian surgeons in the treatment of diseases of the liver and bile ducts. Khirurgiia 40 no.12: 77-82 D '64. (MIRA 18:3)

FAGARASANU, I.; COVACI, A.

Diagrams for combustion calculation. Bul Inst Petrol Rum 9: 227-230 '63.

FAGARASANU, I., Prof.; PRETORIAN, R., dr.; CONSTANTINESCU, C., dr.

Medical indications for splenectomy. Med. int., Bucur. 4 no.8: 1190-1198 Dec 56.

1. Clinica chirurgicala a spitalului Dr. C. Davilla.
(SPLEEN, surgery
excis., indic. & results, hosp. statist.)

DIMITRIU, C.C., Prof.; ROSCA, T., dr.; RADULESCU, E., dr.;
FAGARASANU, I., Prof.; BIRZU, I., dr.; BUCUR, A., dr.

Pre- and post-operative intravenous cholangiocholecystography, cholangiography and radiomanometry. Med.int.,Bucur. 8 no.5: 650-660 Sept 56.

1. Clinica medicala si Clinica chirurgicala a Spitalului Carol Davilla.

(CHOLANGIOGRAPHY
preoperative & postop. intravenous cholangiocystography, indic., compl. & comparison with cholangiography & radiomanometry)
(MANOMETER
radiomanometry in biliary tract surg., diag. value)

EXCERPTA MEDICA Soc 18 Vol. 2/6 Cardio Juno 58

1921. *Acute thrombo-embolism and chronic thromboses of the aortic bifurcation* Trombo-embolia acuta şi trombozele cronice ale bifurcaţiei aortice. FAGARASANU I., BUCUR A., PRETORIAN R., ALOMAN D. and POPESCU Gh. Clin. Chir. a Spit. "Carol Davila", Bucureşti *Chirurgia (Bucuresti)* 1957, 6/3 (351—364) Illus. 12

Acute thrombo-embolism was found in a male patient of 58 yr. who was suffering from atrial flutter since his childhood, and who was operated on 23 hr. after the onset of the embolism. A thrombo-embolus was extracted, which obstructed the lower part of the aorta, the common iliac arteries and both external iliac arteries. The forked thrombo-embolus extracted measured 17 cm. Aortographic control was performed during and after operation. Postoperative and late results were good. Likewise, the authors present 7 cases of chronic thrombosis of the aortic bifurcation of which 5 were operated. In all cases, resection of the bifurcation of the aorta was performed, accompanied by a lumbar sympathectomy as high as possible (L_1, L_2, L_3). The transperitoneal route was used with left coloparietal dissociation. The results obtained were: 1 excellent, with follow-up of 7 yr., 2 very good results after nearly 6 yr., one poor result after 2 yr., and one lethal case 42 hr. after operation; death occurred by ascending thrombosis with infarction of the sigmoid colon.

(XVIII, 9)

FAGARASANU, I., Prof.; DOBROVICI, N., dr.

Chronic cervical rheumatic lesions and consequent diaphragmatic changes. Med. int.,Bucur. 9 no.1:36-39 Jan 57.

(ARTHRITIS RHEUMATOID, complications
cervical arthritis causing phrenic nerve inj. & diaphragmatic changes)
(NERVES PHRENIC, diseases
neuritis & inj. in cervical arthritis, causing diaphragmatic changes)
(DIAPHRAGM, diseases
changes caused by phrenic nerve inj. in cervical arthritis)

RUMANIA/General Problems of Pathology - Tumors. Comparative Oncology. Human Neoplasms. U.

Abs Jour : Ref Zhur - Biol., No 19, 1958, 89679

Author : Fagarasanu, I., Alexan, D., Costescu, N.
Inst :
Title : Primary Carcinoma of the Gallbladder.

Orig Pub : Chirurgia, 1958, 7, No 1, 15-20.

Abstract : No abstract.

Card 1/1

FAGARAZANU, I. [Fagarasanu, I.] (Bukharest); KAPRINIZAN TS. (Bukharest); BUKUI, D. (Bukharest); KONSTANTINESKU, TS. [Constantinescu, T] (Bukharest)

Treatment of angina pectoris. Khirurgiia 35 no.10:21-24 O '59. (MIRA 12:12)

(ANGINA PECTORIS surgery)

FAGARASANU, I., Prof.; POPESCU, G.; ALOMAN, D.; BURLUI, D.

Cardiospasm (a critical consideration of modern surgical treatment). Rumanian M. Rev. 4 no.1:85-87 Ja-Mr '60.

1, 3rd Surgical Clinic of the "Dr. Carol Davila" Hospital ; State Hospital No. 12. 2. (for Fagarasanu) Corresponding member of RPR Academy. (CARDIOSPASM surg.)

FAGARASANU, I.

SURNAME (in caps); Given Names

Country: Rumania

2

Academic Degrees:

Affiliation:

Source: Bucharest, Stiinta si Tehnica, No 6, Jun 1961, pp 38-39.

Data: "Artificial Arteries."

Authors:

FAGARASANU, I., -Prof. Dr.-, Corresponding Member of the Rumar Academy (Membru Corespondent al Academiei RPR).
BUCUR, A., -Dr.-

FAGARASANU, I., prof.; ALOMAN, D., dr.

Cholelithiasis and cancer of the gallbladder. Med. inter., Bucur 13 no.5:711-716 My '61.

1. Lucrare efectuata in Clinica a III-a chirurgicala a Spitalului "Carol Davila", I.M.F., Bucuresti.
(CHOLELITHIASIS complications) (GALL BLADDER neoplasms)

FAGARASANU, I., prof.; DINU, P.

Peroperative electronic biliary radiomanometry with direct recording.
Rumanian med. rev. no.8:64-67 '62.
(COMMON BILE DUCT CALCULI)

RADU-CERNEA, Adrian; FAGARASANU, Ioan

. Influence of some functional and structural factors on the slackening limit of the combustible mixture in the engines with electric spark ignition. Studii cerc energet B 12 no.2:209-219 '62.

4

ROMANIA

FILIPESCU, Z., MD.; CURELARU, I., MD.; ANAGNOSTE, MD.; CEAUSU, M., MD.; FAGARASANU, R., MD.

Surgical Clinic II of the Emergency Clinical Hospital "I. C. Primu", Bucharest (Clinica a II-a de chirurgie a Spitalului clinic de urgenţa "I. C. Frimu", Bucuresti); Director: Professor I. ŢURAI - (for all)

Bucharest, Viata Medicala, No 15, 1 Aug 63, pp 1041-1045

"Acute Poisoning with Hydrazide."

L 14949-63 EWP(j)/EPF(c)/EWT(m)/BDS ASD Pc-4/Pr-4 RM/WW

ACCESSION NR: AP3003789 S/0190/63/005/007/1002/1007

AUTHORS: Tsvetkov, N. S.; Fegarash, M. B.

65
64

TITLE: Polymerization of styrene induced by polymeric adipinyl peroxide

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 5, no. 7, 1963, 1002-1007

TOPIC TAGS: styrene, polymerization, adipinyl peroxide, initiator, peroxide

ABSTRACT: Adipinyl peroxide was selected as an initiator in the radical polymerization of styrene because of favorable results obtained with other polymeric peroxides of aliphatic dicarboxylic acids. The synthesis of polymeric adipinyl peroxide yielded a light white powder (insoluble in the usual organic solvents and in water) which possessed explosive properties. The thermal decomposition of a 1% adipinyl peroxide solution in benzene was conducted in sealed ampules at 65, 70, and 75C for periods up to 10 hours, and the amounts of undecomposed peroxide determined at various intervals. The results showed that the decomposition of peroxide proceeded at a linear rate. The results of kinetic measurements of the styrene polymerization process in the presence of 0.1-0.8% adipinyl peroxide for periods up to 10 hours indicate an increased polymerization rate with time and concentration of the initiator, the reaction proceeding at a linear rate in respect to the square root

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L 14949-63
ACCESSION NR: AP3003789

of the initiator's concentration. It was calculated that within the 65-75C temperature interval the effective (summary) energy of summary styrene activation amounted to 28.1 ± 1.2 kcal/mol. Orig. art. has: 5 charts and 1 table.

ASSOCIATION: L'vovskiy ordena Lenina gosudarstvenny*y universitet im. Ivana Franko (L'vov State University)

SUBMITTED: 11Dec61 DATE ACQ: 08Aug63 ENCL: 00

SUB CODE: CH NO REF SOV: 001 OTHER: 004

Card 2/2

FAGASIEWICZ, Lucyna

A community of Caricetum gracilis in the Pilica River Valley. Nauki matem przyrod Lodz no.10:139-143 '61.

1. Department of Plant Systematics and Geography, University, Lodz.

CZAPLINSKI, Bogdan; FAGASINSKI, Andrzej (Warszawa)

Turkey (Meleagris gallopavo) as a new host of tapeworm Sobolevicanthus gracilis (Zeder, 1803), Spassky et Spasskaia, 1954 (Hymenolepididae). Wiadomosci parazyt., Warsz. 2 no.5 Suppl:161-162 1956.

1. Zaklad Parazytologii PAN i Katedra Parazytologii i Chorob Inwazyjnych SSGW.

(FOWLS, DOMESTIC, diseases,
tapeworm Sobolevicanthus gracilis infect. (Pol))
(TAPEWORM INFECTIONS, epidemiology,
Sobolevicanthus gracilis infect. of turkeys (Pol))

FAGASINSKI, Andrzej; MACHNICKA, Barabar (Warszawa)

Benzine as anthelmintic drug in foxes. Wiadomosci parazyt., Warsz. 2 no 5 Suppl:185-186 1956.

1. Katedra Parazytologii i Chorob Inwazyjnych SGGW.
(ANTHELMINTICS,
gasoline in foxes (Pol))
(PETROLEUM PRODUCTS, therapeutic use,
gasoline as anthelmintic drug in foxes (Pol))

PAGASINSKI, Andrzej

Helminths in domestic Rallidae. Wiadomosci parazyt., Warsz. 4 no.5-6: 683; Engl. transl 683-684 1958.

1. Z Zakladu Parazytologii i Chor. Inw. SGGW w Warszawie.
(FOWLS, DOMESTIC, dis.
helminth infect (Pol))
(HELMINTH INFECTION
in domestic fowls (Pol))

FAGASINSKI, Andrzej; PIUSINSKI, Wojciech

Tetrathyridium elongatum (Blumberg, 1882) invasion in a dog.
Wiadomosci parazyt. 6 no.6:533-536 '60.

(TAPEWORM INFECTION veterinary)

PAGASINSKI, Andrzej; MACHNICKA, Barbara

Changes in blood proteins in silver foxes during the administration of therapeutic portions of piperazine adipate and ethylene tetrachloride. Wiadomosci parazyt. 7 no.2:347-350 '61.

1. Zaklad Parazytologii i Chorob Inwazyjnych Wydz. Wet. SGGW, Warszawa.

(BLOOD PROTEINS pharmacol) (PIPERIDINES pharmacol)
(TETRACHLOROETHYLENE pharmacol) (CARNOVORA dis)

MACHNICKA-ROGUSKA, Barbara; FAGASINSKI, Andrzej

Serum proteins in silver foxes following administration of therapeutic doses of piperazine adipate and tetrachloroethylene. Acta parasit Pol 10 no.1/11:97-103 '62.

1. Katedra Parazytologii, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa, Grochowska 272.

FAGASINSKI, Andrzej

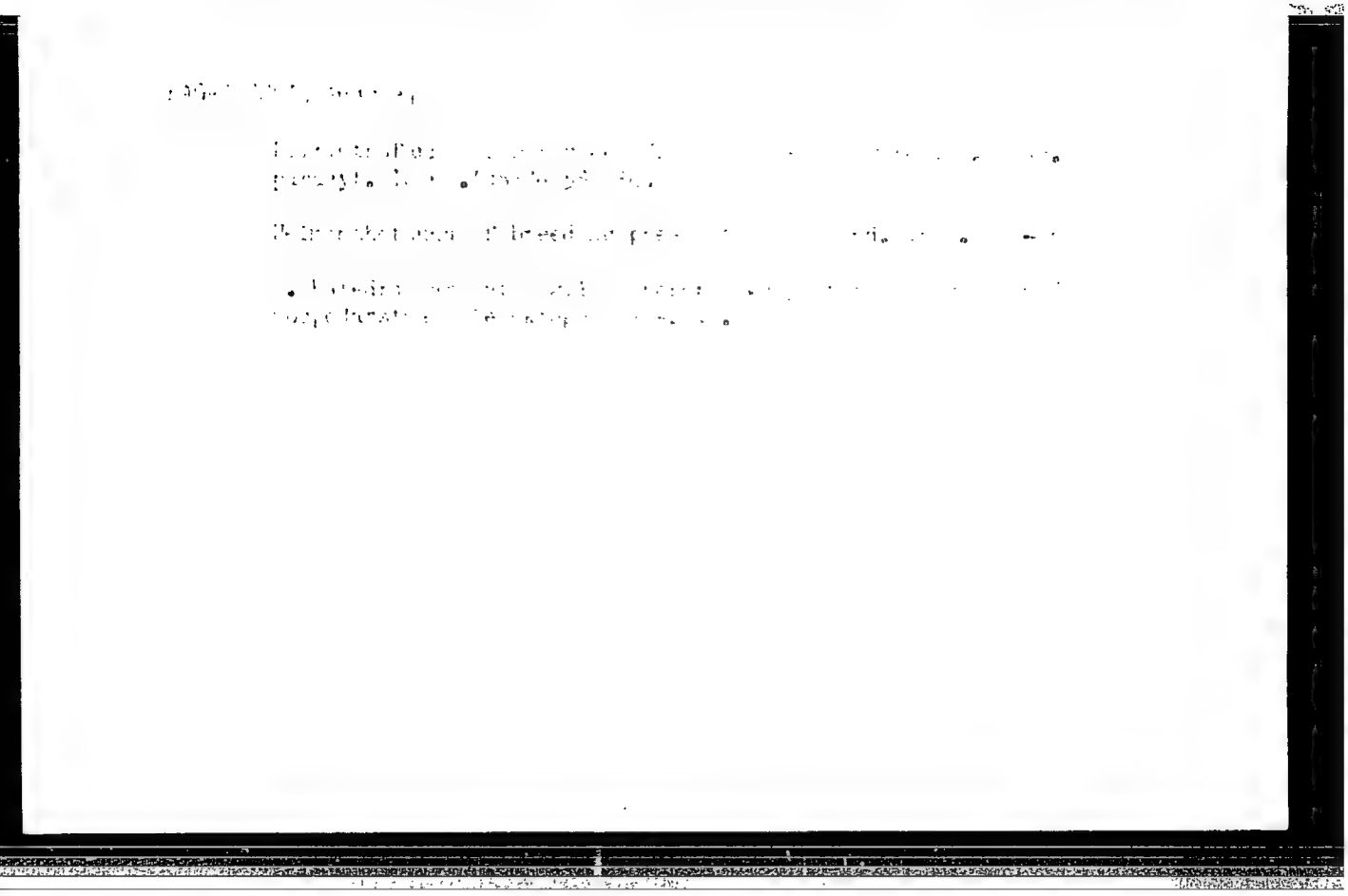
Helminth parasites of domestic galliform birds in Poland.
Acta parsit Pol 10 no. 21/27:347-368 '62.

1. Katedra Parazytologii i Chorob Inwazyjnych, Uniwersytet, Warszawa.

PAGASINSKI, Andrzej; TRILLO, Jan

Tetrathyridium elongatum (Blumberg, 1954) infection in Cardium paucicostatum L. Wiad. parazyt. 10 no.4:[illegible] '64.

1. Katedra Parazytologii i Choreb Inwazyjnych i Katedry Higieny Produktow Zwierzecych Szkoly Glownej Gospodarstwa Wiejskiego, Warszawa.



[illegible], Andrzej

Helminth parasites of partridge (Perdix perdix L.) of chosen hunting grounds in Poland. Acta parasit Pol 12 no.30/39:433-439 '64.

1. Institute of Parasitology of the Central School of Agriculture, Warsaw.

Fage, M. K.

Fage, M. K. The spectral manifolds of a bounded linear operator in Hilbert space. Doklady Akad. Nauk SSSR (N.S.) 58, 1609–1612 (1947). (Russian)

If the directed boundary of an open half plane in the complex plane makes an angle of $\omega+\pi/2$ with the positively directed real axis, and if the distance from the origin to the boundary, directed along the outward normal, is α, the half plane is denoted by $\Delta(\omega, \alpha)$. If A is a bounded linear operator on a (not necessarily separable) Hilbert space $\mathfrak{H}$, a spectral manifold of A is the set $\mathfrak{E}_A(\omega, \alpha)$ of all those vectors x for which $[\exp \rho(e^{i\omega}A-\alpha I)]x \to 0$ (weakly) as $\rho \to \infty$. The author describes the elementary properties of spectral manifolds, and establishes the connections between them and the customary spectral theory. The simplest one of these connections is the following assertion: the operator $\mu A - I$ has a bounded inverse R_μ in a subspace $\mathfrak{P}$, regular in the half plane $\Delta(\omega+\pi, -\alpha)$, if and only if $\mathfrak{P}$ is contained in $\mathfrak{E}_A(\omega, \alpha+\epsilon)$ for every $\epsilon>0$.

If, for $\sigma_1 \leq \sigma \leq \sigma_2$ and $\tau_1 \leq \tau \leq \tau_2$, $J_1(\sigma)$ and $J_2(\tau)$ are two families of uniformly bounded and mutually commutative idempotent operators which are nondecreasing functions of the parameters σ and τ and such that $(J_1(\sigma)x, x)$ and $(J_2(\tau)x, x)$ are always measurable functions of σ and τ, respectively, the operator N defined by

$$(Nx, y) = (\sigma_2+i\tau_2)(x, y) - \int_{\sigma_1}^{\sigma_2}(J_1(\sigma)x, y)d\sigma - i\int_{\tau_1}^{\tau_2}(J_2(\tau)x, y)d\tau$$

is a generalized normal operator. An operator E is generalized nilpotent if $\mathfrak{E}_E(\omega, \alpha)=\mathfrak{E}$ for every ω and for every $\alpha>0$; this definition is asserted to be equivalent to Gelfand's. If J is a bounded idempotent and if $\mathfrak{P}=\{x: Jx=x\}$ and $\mathfrak{Q}=\{x: Jx=x\}$, the connection among J, $\mathfrak{P}$, and $\mathfrak{Q}$ is symbolized by $J=\mathfrak{P}\times\mathfrak{Q}$.

If A is a bounded linear operator, write $\mathfrak{P}_1(\alpha)$, $\mathfrak{P}_2(\alpha)$, $\mathfrak{Q}_1(\alpha)$, and $\mathfrak{Q}_2(\alpha)$ for $\mathfrak{E}_A(0, \alpha)$, $\mathfrak{E}_A(\pi/2, \alpha)$, $\mathfrak{E}_A{}^*(0, \alpha)$, and $\mathfrak{E}_A{}^*(-\pi/2, \alpha)$, respectively. The author's main theorem may be formulated as follows. If $\overline{\mathfrak{P}_i(\alpha)} \subset \mathfrak{P}_i(\alpha+\epsilon)$ and $\mathfrak{E} \ominus \overline{\mathfrak{P}_i(\alpha)} \subset \mathfrak{Q}_i(-\alpha+\epsilon)$, for $i=1, 2$, $\epsilon>0$, and $|\alpha| \leq |A|$; if the idempotents $J_i(\alpha)=\overline{\mathfrak{P}_i(\alpha)}\times\overline{\mathfrak{Q}_i(\alpha)}$ are uniformly bounded; and if the quadratic forms $(J_i(\alpha)x, x)$ are measurable functions of α, then $A=N+E$, where N is the generalized normal operator determined by $J_1(\alpha)$ and $J_2(\alpha)$, and E is a generalized nilpotent. The paper contains no proofs.

P. R. Halmos (Princeton, N. J.)

Source: Mathematical Reviews, Vol 9 No. 6

Fage, M. K.

Fage, M. K. Idempotent operators and their rectification. Doklady Akad. Nauk SSSR (N.S.) 73, 895–897 (1950). (Russian)

Dans un espace de Hilbert $\mathfrak{E}$, soit J un opérateur borné vérifiant $J^2=J$; l'auteur démontre tout d'abord quelques propriétés élémentaires des opérateurs de ce genre. Soit ensuite J_n une suite de tels opérateurs; on dit que c'est une "décomposition de l'unité" si: (a) $J_mJ_n=0$ pour $m\neq n$; (b) $x=\sum J_nx$ pour tout $x\in E$ (la série étant fortement convergente). On dit qu'une telle décomposition est "rectifiable" s'il existe une décomposition de l'unité en projecteurs (au sens usuel dans la théorie des espaces de Hilbert) P_n, et un opérateur S borné et inversible, tels que $J_n=SP_nS^{-1}$; pour qu'il en soit ainsi, il est nécessaire et suffisant qu'il existe une [illegible] C ($0<C<+\infty$) avec $C^{-1}\|x\|^2\leq\sum\|J_nx\|^2\leq C\|x\|^2$ pour tout x. Enfin, l'auteur indique quelques relations de [illegible] avec la théorie des systèmes biorthogonaux.

R. Godement (Nancy)

Source: Mathem[illegible] Vol 13, No.

188T60

FAGE, M.K.

USSR/Mathematics - Matrix May/Jun 51

"Concerning Symmetrizable Matrices," M. K. Fage

"Uspekh Matemat Nauk" Vol VI, No 3 (43), pp 153-156

In A. N. Kolmogorov's article "Zur Theorie der Markoffschen Ketten," "Math Annalen" 112, 1936, pp 155-160, there is derived without proof the condition for which the stochastic matrix $//P_{ij}//_1^n$ satisfies the eq $Q_iP_{ij} = Q_jP_{ji}$. Fage generalizes Kolmogorov's result to the case of arbitrary matrices.

188T60

FAGE, M.K.

USSR/Mathematics - Influence Function Mar/Apr 53

"Symmetricity and Symmetrizability of an Influence Function," M.K. Fage, Chernovtsy

"Matemat Sbornik" Vol 32 (74), No 2, pp 345-352

A presentation of certain properties of the influence function G(s, t), occurring in the Sturm-Liouville boundary-value problem, which relate to its symmetricity or symmetrizability. G(s, t) is called symmetrizable in a region Q if it is representable in the form G(s, t) = H(s, t)·r(t), where H(s, t) is symmetric and r(t) is nowhere zero.

246T91

FAGE, M.K.

One generalization of the spectrum theory of linear operators (based on exponential functions). Dokl.AN SSSR 95 no.4:721-724 Ap '54. (MLRA 7:3)

1. Chernovitskiy gosudarstvennyy universitet. (Operators (Mathematics)) (Functions, Exponential)

FAGE, M. K.

USSR/Mathematics

Card : 1/1

Authors : Fage, M. K.

Title : Characteristic function of the single-point boundary problem of an ordinary differential equation of the second order.

Periodical : Dokl. AN SSSR, 96, Ed. 5, 929 - 932, June 1954

Abstract : The article deals with derivation of a differential equation with partial derivatives which the characteristic function R (w, x, s) would satisfy; then, with the help of that equation, the analytical expansion of the function is found. This helps to determine a set with discrete points - a "spectre" of single point boundary problem.

Institution : State University, Chernovtsy

Presented by : Academician, V. I. Smirnov, March 19, 1954

FAGE, M. K.

3-3/1

Fage, M. K. Reduction to simplest form of Cauchy's ~~treatment~~ for an ordinary linear differential equation of second order. Dokl. Akad. Nauk SSSR (N.S.) 99, 909–912 (1954). (Russian)

Consider the differential operator $L(y)=y''+q(x)y$, q continuous in $[0, +\infty)$; L maps Φ into C where Φ is the linear space of twice continuously differentiable functions y in $[0, +\infty)$ with $y(0)=y'(0)=0$ and C the space of continuous functions in $[0, +\infty)$. The inverse operator A is an integral operator with a kernel function $A(x, s)$, $x \geq s \geq 0$. The simplest case is $L^{(0)}=d^2/dx^2$, the kernel $A^{(0)}$ being $x-s$. The main result of this paper is: there is an invertible operator H of C onto C, $H(\Phi)=\Phi$, such that $A=HA^{(0)}H^{-1}$, $L=H(d^2/dx^2)H^{-1}$. *J. L. Massera.*

1-3/V

FAGE, M. K.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow Jun-Jul '56, Trudy '56, Vol. 1, Sect. Rpts., Izdatel'stvo AN SSR, Moscow, 1956, 237 pp.

Smirnov, M. M. (Leningrad). On a Boundary Problem for Mixed Type Equations. 69-70

Sobolev, S. A. (Moscow). Simplex-Linear Differential Equations. 70

Cherskiy, Yu. I. (Rostov-na-Donu). Convolution Type Integral Equations. 70-71

Mel', V. A. and Rapoport, I. M. are mentioned.

Fage, M. K. (Chernovitsy). Solution of one Cauchy Problem by Increasing the Number of Independent Variables. 71-72

Mention is made of Levitan, B. M., Marchenko, V. A. and Povzner, A.Ya.

Khvedelidze, B. V. (Tbilisi). On Singular Integral Equations With Cauchy Type Kernels in the Classes of Functions, Which are Summed up With Weight. 72

Card 21/80

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/1 PG - 365
AUTHOR FAGE M.K.
TITLE Differential equations with truely mixed derivatives and a principal term.
PERIODICAL Doklady Akad. Nauk 108, 780-783 (1956)
reviewed 11/1956

The equation

$$L(u) = \frac{\partial^n u}{\partial x_1 \dots \partial x_n} + \sum_{k=0}^{n-1} \sum_{1 \le i_1 < \dots < i_k \le n} p_{i_1 \dots i_k}(x_1, \dots x_n) \frac{\partial^k u}{\partial x_{i_1} \dots \partial x_{i_k}} = f(x_1, \dots, x_n)$$

is said to be a differential equation with truely mixed derivatives and a principal term. Without proof several theorems are formulated in which the results and methods known for n = 2 are transferred to the general case n > 2.

INSTITUTION: University Czernowizy.

Chernovtsy Gosudarstvennyy University pr. Akademika V. I. Smirnovym.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/3 PG - 413
AUTHOR FAGE M.K.
TITLE The solution of a Cauchy problem by enlarging the number of independent variables.
PERIODICAL Doklady Akad. Nauk 108, 1022-1025 (1956)
reviewed 12/1956

Let R be a complex-real space with the complex coordinate plane $w = u+iv$ and the perpendicular real axis x. In w let be given a domain G; let x change in the interval Δ $(0 \leq x < b)$. In the cylinder $\mathfrak{Z} = G \times \Delta$ let be given the equation

$$(1) \quad q_n(w) \frac{\partial^n F}{\partial w^n} + p_n(x) \frac{\partial^n F}{\partial x^n} + \sum_{k=1}^{n-1} q_k(w,x) \frac{\partial^k F}{\partial w^k} + \sum_{k=0}^{n-1} p_k(w,x) \frac{\partial^k F}{\partial x^k} = H(w,x).$$

The $q_k(w,x)$ $(k=1,\ldots,n-1)$; $p_k(w,x)$ $(k=0,\ldots,n-1)$; $H(w,x)$ are continuous in $\mathfrak{Z}$. The q_k, p_k and q_n are regular in w, $q_n(w)$ vanishes nowhere in $\mathfrak{Z}$, $p_n(x)$ is contiruous and > 0. It can be assumed that $q_n \equiv (-1)^{n-1}$ and $p_n \equiv 1$ since by the transformation

$$t = t_0 + \int_{x_0}^{x} \frac{dx}{\sqrt[n]{p_n(x)}} \; ; \quad \zeta = \zeta_0 + \int_{w_0}^{w} \frac{dw}{\sqrt[n]{(-1)^{n-1} q_n(w)}}$$

the equation (1) in $\mathcal{L}_0$; c) F and its derivatives assume the given values in G:

$$(2)\quad F(w,0) = f_0(w),\ \left.\frac{\partial F(w,x)}{\partial x}\right|_{x=0} = f_1(w),\ldots,\ \left.\frac{\partial^{n-1}F(w,x)}{\partial x^{n-1}}\right|_{x=0} = f_{n-1}(w).$$

2. The values of $F(w,x)$ in the point $P_0 \in \mathcal{L}_0$ are expressed by aid of integrals by the values of the functions (2) and their derivatives. The integrals are taken only over the base W_{P_0} of the pyramid V_{P_0}.

The proof of these theorems is given by the introduction of the real characteristic variables $t_1, t_2, \ldots t_n$ by means of

$$w = w_0 - \sum_{i=1}^{n} t_i \varepsilon_i \qquad x = x_0 - \sum_{i=1}^{n} t_i,$$

here w_0 is a certain complex number, x_0 a real number and the $\varepsilon_1=1,\ldots,\varepsilon_n$ are all the n-th roots of unity, numbered counterclockwise. Thereby R is mapped onto the whole E^n, where $E^n \longrightarrow R$ uniquely and for $n = 3$ it is biuniquely too.

INSTITUTION: University Černovizy.

Chernovitskiy Gosudarstvennyy Universitet. Predstavlen Akademikom, V. I. Smirnovym.

PAGE, M. K. Doc Phys-Math Sci -- (diss) "Analytic operation-al functions of a single independent variable." Chernovtsy, 1957. 8 pp (Min of Higher Education UkSSR. Chernovtsy State Univ), 130 copies Bibliography: p 8 (12 titles).

(KL, 6-58. 99)

FAGE, M.K.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/2 PG - 813
AUTHOR FAGE M.K.
TITLE The construction of the transformation operators and the solution of a moment problem for ordinary differential equations of arbitrary order.
PERIODICAL Uspechi mat.Nauk 12, 1, 240-245 (1957)
reviewed 6/1957

Let be given the differential equation

(1) $l(y) = y^{(n)} + p_{n-1}(x)y^{(n-1)} + \dots + p_0(x)y = f(x)$

$(0 \leq x < 1,\ 1 \leq +\infty)$, where the coefficient $p_k(x)$ is k times continuously differentiable $(k=0,1,\dots,n-1)$. The author asks for operators which combine this problem with the simpler equation

$$l(y) \equiv l_0(y) \equiv y^{(n)}.$$

According to a method of Povzner (Mat.Sbornik,n.Ser. 23, 1, 3-52 (1948)) the author reduces this problem and a similar problem to a Cauchy problem which in a more general form was already solved by the author by enlaging the

number of independent variables (Trudy III. Vsesojnzn. mat. s'ezda I, 71-72 (1956)).

FAGE, M.K.

Letter to the editors. Usp.mat.nauk 12 no.1:284 My-Je '57.
(MIRA 10:10)
(Functions of complex variables)

Doklady Akad.Nauk 112, 1008-1011 (1957) CARD 2/3 PG - 879

The function sequence $f_0(x,x_0)$, $f_1(x,x_0),\ldots$, $x_0 \in (a,b)$, is called L-basis in x_0 and is defined as follows: the first n functions are solutions of the homogeneous equation $L\left[f_m(x,x_0)\right] = 0$ $(m=0,1,\ldots,n-1)$ for initial values in x_0 which form a unit matrix; $f_{m+n}(x,x_0)$ is the solution of the inhomogeneous equation $L\left[f_{m+n}(x,x_0)\right] = f_m(x,x_0)$ for vanishing initial values in x_0.

Theorem: For every $[\alpha,\beta] \subset (a,b)$ there exists a constant $C_1 > 0$ such that for all $m=0,1,2,\ldots$ and $\alpha \leq x \leq \beta$ the inequation $|f_m(x,x_0)| \leq C_1 |x-x_0|^m (m!)^{-1}$ is valid.

Theorem: In order that f(x) is L-analytic on (a,b) it is necessary and sufficient that it is L-holomorphic on (a,b), i.e. in the neighborhood of each $x_0 \in (a,b)$ the decomposition admits an L-series

$$f(x) = \sum_{m=0}^{\infty} a_m f_m(x,x_0) \tag{3}$$

where $|a_m| \leq C_2^m m!$.

Theorem: The coefficients of (3) are defined by $a_{qn+r} = D^r L^q f(x)\Big|_{x=x_0}$, i.e. every L-series is a Tayler L-series.

AUTHOR FAGE M.K.
TITLE Letter to the Editor
(Pis'mo v redaktsiyu -Russian)
PA - 3068

PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 2, pp 245 - 248
(U.S.S.R.)
Received 6/1957 Reviewed 7/1957

ABSTRACT The following is the translation of the letter: In my communication "differential Equations with Pure-Mixed derivations and Principal Terms", some results of L.Bianchi were essentially repeated: the existence and uniqueness of the solution with characteristic limit values and of the "Cauchy"Problem, and further a certain bilinear formula and the defintion of a Riemann formula, which was called by Bianchi "fundamental factor" or "fundamental solution".
My contribution in the work consists of the following: The statement of the starting data in the form of a chain of successive pure-mixed derivations of the desired function; the determinability of the remaining derivations on a given plane through such a chain; the detailing of the Riemann formula in the form of the expressions (8), (9), (10) for the employment of pure-mixed derivations alone; and finally (which is of import for the theoretic side of the affair) the use of complexes as indices.
For all of this the following is to be added: Bianchi supplies only the proof of the existence of the sulution of the problem with characteri-

Card 1/2

stic limiting values and that only forthe simplest equation $\partial^n u/dt_1 \ldots dt_n = 0$ where this proof is completely elementary.
I could fined no later publications at all (after 1935) by Bianchi and Nicoletti concerning this problem. The necessary proofs for both problems were worked out by me (though in the short communication in the Dokl.-Akad.Nauk. naturally only a poor representation can be found)
At the end a short reference is made to a Belgian work
(No illustrations).

ASSOCIATION
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Card 2/2

Integral Representations of the Analytic Operator Functions 20-5-7/54
of an Independent Variable

that every function $g(x)$ being L-analytic in the neighborhood of x_0 gets an integral representation $g(x) = Tf(w)$ by a function $f(w)$ analytic in the neighborhood of w_0. The base of the consideration is the solution of the Cauchy problem for the partial equation $MF(w,x) = LF(w,x)$ for the initial conditions

$$F(w,x_0) = f_0(w), \ldots, \left.\frac{\partial^{n-1}F(w,x)}{\partial x^{n-1}}\right|_{x=x_0} = f_{n-1}(w) \quad \text{analytic in G.}$$

ASSOCIATION: Chernovtsy State University (Chernovitskiy gosudarstvennyy universitet)

PRESENTED: By V. I. Smirnov, Academician, March 18, 1957

SUBMITTED: March 15, 1957

AVAILABLE: Library of Congress

Card 2/2

FAGE, M. K. (Chernovitsy)

"Operationally Analytic Functions of One Independent Variable (Functions Defined by an Ordinary Linear Differential Operator L of an Arbitrary Order with Continuous Coefficients)," Trudy, t. 7 (Transactions of the Moscow Mathematical Society, v. 7) Moscow, Fizmatgiz, 1958. 438 p.

A. 227-281

The basic results given in this article were presented at the October 30, 1956 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; 1) L-bases; 2) L-analytic polynomials; 3) Taylor's L-formula; 4) Taylor's L-series; 5) L-holomorphic functions; 6) L-analytic functions. Uniqueness theorem; 7) Regularly convergent sequences of L-analytic functions; 8) Operator with analytic coefficients; 9) Local equivalency of operators of an equal order; 10) Cuachy problem in the region of double operationally holomorphic functions.

42-1-7/13

AUTHOR: FAGE, M.K.

TITLE: Two Spectral Distribution Matrices (Dve spektral'nyye matritsy raspredeleniya)

PERIODICAL: Uspekhi Matematicheskikh Nauk, 1958, Vol 13, Nr ., pp 207-210 (USSR)

ABSTRACT: Given a selfadjoint differential operator

$$L = D^n + p_{n-1}(x)D^{n-1} + \ldots + p_0(x)$$

the continuous coefficients of which are defined on (a,b). Let $e_k(x,\lambda)$ be the solutions of $Ly = \lambda y$ under the initial conditions

$$e_k^{(s)}(0,\lambda) = (-i\sqrt[n]{\lambda}\,\varepsilon_k)^s \qquad (s,k=0,1,\ldots,n-1) \qquad \varepsilon_k = \sqrt[n]{1}$$

and $c_k(x,\lambda)$ be the solutions of the same equation under the initial conditions

$$c_k^{(s)}(0,\lambda) = \begin{cases} 0 & s \neq k \\ 1 & s = k \end{cases} \qquad (s,k=0,1,\ldots,n-1).$$

The spectral distribution matrix $S_n = \left[\sigma_{k,s}(\lambda)\right]_0^{n-1}$ of L in

Card 1/3

the space $L^{(2)}$ corresponding to the system $\{c_k(x,\lambda)\}$ is determined uniquely by

$$P(x,t;\Delta) = \int_{\Delta} \sum_{s=0}^{n-1} \sum_{k=0}^{n-1} c_k(x,\lambda)\overline{c_k(t,\lambda)}\, d\sigma_{k,s}(\lambda),$$

where $P(x,t,\Delta)$ denotes the kernel of the integral operator $P(\Delta)$ from the decomposition of the unity for L and Δ runs through all intervals of the λ-axis. Analogously by the system $\{e_k(x,\lambda)\}$ the distribution matrix $T_n = [\tau_{k,s}(\lambda)]_0^{n-1}$ is determined.

Theorem: In the $L^{(2)}$ let be given the operator $L = D^n = (i\frac{d}{dx})^n$. Then for $n = 2m+1$ we have $\begin{cases} 0 & \text{if } k+s>0 \\ \frac{1}{2\pi}\sqrt[n]{\lambda} & \text{if } k=s=0 \end{cases}$ and for $n=2m$ we have

$$\tau_{k,s}(\lambda) = \begin{cases} 0 & \text{for } \lambda<0 \text{ and } k,s=0,1,\ldots,n-1 \\ \frac{1}{2\pi}\sqrt[n]{\lambda} & \text{for } \lambda\geqslant 0 \text{ and } k=s=0 \text{ or } k=s=m \\ 0 & \text{for } \lambda\geqslant 0 \text{ and other } k,s\,. \end{cases}$$

Card 2/3

Two Spectral Distribution Matrices

Furthermore then for $n = 2m+1$ we have

$$\sigma_{k,s}(\lambda) = \frac{(-i)^s i^k}{2\pi(k+s+1)} \lambda^{\frac{k+s+1}{n}}$$

and for $n = 2m$:

$$\sigma_{k,s}(\lambda) = \begin{cases} 0 & -\infty < \lambda < 0 \\ \frac{(-1)^k + (-1)^s}{2(k+s+1)} i^{s+k} \lambda^{\frac{k+s+1}{n}} & 0 \leq \lambda < \infty. \end{cases}$$

2 Soviet references are quoted.

SUBMITTED: 10 December 1956
AVAILABLE: Library of Congress
Card 3/3 1. Integrals 2. Matrix algebra

AUTHOR: Fage, M.K. (Chernovtsy) SOV/39-45-3-1/7

TITLE: Cauchy's Problem for the Equation of Bianchi (Zadacha Koshi dlya uravneniya Bianki)

PERIODICAL: Matematicheskiy sbornik,1958,Vol 45,Nr 3,pp 281-322(USSR)

ABSTRACT: The present paper contains an explicit representation and proofs of the results already announced by the author in [Ref 9] on the existence, uniqueness, correctness and dependence on initial conditions of the solution of Cauchy's problem for the so-called equation of Bianchi:

$$Bu \equiv p_{1\ldots n}(t)\,\frac{\partial^n u}{\partial t_1 \ldots \partial t_n} + \sum_{k=1}^{n-1} \sum_{1 \le \alpha_1 < \ldots < \alpha_k \le n} p_{\alpha_1 \ldots \alpha_k}(t)\,\frac{\partial^k u}{\partial t_{\alpha_1} \ldots \partial t_{\alpha_k}} + p(t)u = h(t)$$

The method as well as the main results have been already pointed out 60 years ago by Bianchi [Ref 2,3] and Nicoletti [Ref 5,6] in less general cases. The treatment of the general case by the author in principle brings few new things, but is

Card 1/2

Cauchy's Problem for the Equation of Bianchi SOV/39-45-3-1/7

full of most tedious and unverifiable calculations
There are 13 references, 6 of which are Soviet, 5 Italian, 1 is American, and 1 Belgian.

SUBMITTED: January 10,1957

1. Emperical functions--Analysis

Card 2/2

AUTHOR: Fage, M.K. (Chernovtsy) SOV/39-46-3-15/5

TITLE: Solution of a Cauchy Problem by Increasing the Number of Independent Variables (Resheniye odnoy zadachi Koshi putem uvelicheniya chisla nezavisimykh peremennykh)

PERIODICAL: Matematicheskiy sbornik, 1958, Vol 46, Nr 3, pp 261-290 (USSR)

ABSTRACT: This is a detailed representation of the results announced by the author two years ago [Ref 5,6] on the Cauchy problem

$$AF(w,x) = H(w,x)$$

$$F(w,c) = f_0(w), \ldots, \left.\frac{\partial^{n-1}F(w,x)}{\partial x^{n-1}}\right|_{x=c} = f_{n-1}(w),$$

where A is a differential polynomial

$$A = -\frac{\partial^n}{\partial w^n} + \frac{\partial^n}{\partial x^n} + \sum_{k+m\leq n} p_{k,m}(w,x)\frac{\partial^{k+m}}{\partial w^k \partial x^m}.$$

There are 8 references, 4 of which are Soviet, 2 French and 2 Italian.

SUBMITTED: January 18, 1957

Card 1/1

PAGE, M.K.

16(1) PHASE I BOOK EXPLOITATION SOV/2508

Matematicheskoye prosveshcheniye; matematika, yeye prepodavaniye, prilozheniya i istoriya, vyp. 4 (Mathematical Education; Mathematics, Its Teaching, Application and History, No. 4) Moscow, Gostekhizdat, 1959. 15,000 copies printed.

Ed.: I.M. Bronshteyn; Editorial Board of Series: I.M. Bronshteyn, A.I. Markushevich, I.M. Yaglom; Tech. Ed.: S.N. Akhlamov.

PURPOSE: This book is intended for persons without an extensive mathematical education who are interested in trends in contemporary mathematics. The book may be useful to high school mathematics teachers.

COVERAGE: The book consists of articles, reviews, and scientific and methodological reports, some of which are translations from other languages. The state of modern mathematics is covered, including applications, history, teaching of mathematics in schools, and mathematical developments in the USSR and abroad. One section deals with scientific and pedagogical life in the USSR and another contains reviews of certain mathematical publications. Some mathematical background is necessary to understand the book; certain articles require a knowledge of higher mathematics.

Card 7/8

FAGE, M. K.

16(1) PHASE I BOOK EXPLOITATION SOV/2660

Vsesoyuznyy matematicheskiy s"yezd. 3rd, Moscow, 1956

Trudy. t. 4: Kratkiye soderzhaniye sektsionnykh dokladov. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow, vol. 4: Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 287 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Tech. Ed.: G.N. Shevchenko; Editorial Board: A.A. Abramov, V.G. Boltyanskiy, A.M. Vasil'yev, Yu. V. Prokhorov, E.A. Rimal'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, O. Ye. Rybalkov, P. L. Ul'yanov, V.A. Uspenskiy, N.G. Chetayev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Section on Probability Theory

Card 12/34

FAGE, Mikhail Konstantinovich; SIMONOV, M.I., dotsent, otv.red.; BLIKH, V.V., red.; SARANYUK, T.V., tekhred.

[Operator-analytical functions with one independent variable] Operatorno-analitychni funktsii odniiei nezalezhnoi zminnoi. Z peredmovoiu M.M.Bogoliubova. L'viv, Vyd-vo L'vivs'koho dersh.univ., 1959. 173 p. (MIRA 13:4)
(Functions, Analytic)

16(0) [illegible] SOV/2960

PHASE I BOOK EXPLOITATION

Moskovskoye matematicheskoye obshchestvo

Trudy, t. 8 (Transactions of the Moscow Mathematical Society, Vol 8) Moscow, Fizmatgiz, 1959. 518 p. Errata slip inserted. 2,050 copies printed.

Ed.: A.F. Lapko; Tech. Ed.: S.S. Gavrilov; Editorial Board: P.S. Aleksandrov, I.M. Gel'fand, and O.N. Golovin.

PURPOSE: This book is intended for mathematicians and theoretical physicists.

COVERAGE: This book contains a collection of articles by leading Soviet mathematicians on problems in pure and applied mathematics. All articles were written in 1957 and 1958. Among the topics discussed are: analytic - operator functions, function spaces, nonstationary plane flow of a viscous non-compressible liquid, root spaces, products of groups representations, ordinary and partial differential equations, 3rd and 4th order linear equations, homogeneous spaces, spectral theory of operators, and generalized random processes. References accompany each article.

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[Collection of problems and methods of calculating machine parts] Sbornik zadach i primerov rascheta detalei mashin. Moskva, Ges. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 267 p. (MIRA 10:4)
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BONDARENKO, P.P., professor; FAGOVA, N.M., redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor

[Handbook on methods for studying the philosophical principles of Pavlov's physiology] Metodicheskoe posobie k izucheniiu filosofskikh osnov Pavlovskoi fiziologii. Moskva, Izd-vo Akad.med. nauk SSSR, 1953. 37 p. (MLRA 7:11)

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(BLOOD PRESSURE physiol) (CORONARY VESSELS physiol)
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